

B85

3. MANUFACTURE OF DISPLAY DEVICE

PAJ 11-01-00 00322003 JP NDN- 043-0194-4597-8

INVENTOR(S)- IKEDA, TSUTOMU

PATENT APPLICATION NUMBER- 11134917

DATE FILED- 1999-05-14

PUBLICATION NUMBER- 00322003 JP

DOCUMENT TYPE- A

PUBLICATION DATE- 2000-11-24

INTERNATIONAL PATENT CLASS- G09F00937

APPLICANT(S)- CANON INC

PUBLICATION COUNTRY- Japan

PROBLEM TO BE SOLVED: To improve display quality by eliminating dispersion in display density between respective picture elements.

SOLUTION: When leaving charged electrophoretic particles 5 charged, by applying a voltage of appropriate polarity to electrodes 6, 7, the charged electrophoretic particles 5 can be distributed to a position shown in Fig. When the electrodes 7 and the charged electrophoretic particles 5 are colored in the same color, the color is displayed. By doing such displaying separately at each of picture elements 2, an optional image can be displayed. In the manufacturing process, before placing one-side substrate 1a and after forming barrier ribs 3, the charged electrophoretic particles 5 are distributed to each of the picture element 2 by dripping an equal quantity of a dispersing liquid 4 for electrophoresis in which the charged electrophoretic particles 5 are uniformly dispersed. Consequently, because each of the picture elements 2 has an equal quantity of the charged electrophoretic particles 5, dispersion in display density between the picture elements 2 can be eliminated.

COPYRIGHT: (C)2000,JPO
